

Site activities IVO Gold King Mine Release

21AUG2015

Agency/Organization	Number of Personnel
EPA	02
USCG	04
ER	14
START	04
OMNI Water Solutions	03
Visitors	08
Total Personnel	28

Water Treatment –

- Caustic and flocculent addition on going.
- Pumping from Gold King Mine treatment pond 1 to Red and Bonita pond 3.
- Evaluated Gladstone area for potential water treatment locations.
- Treatment Media Remaining – ~800 Gal NaOH, 07 Bags of Brenn floc, 53 (est.) Bags of powdered Lime
- Increasing the lime addition to approximately 128 ounces every 15 minutes(4 pounds) At 1800
- Looking in to creating a lime slurry with a PH of 7.5 and stopping the addition of the caustic solution and Brenn-FLOC

Sediment Recovery – OMNI Water Solutions / Rain for Rent

- Additional equipment installed.
- Begin process by end of weekend.
- Currently dialing in equipment, should be running at full operational speed upon the arrival of a new water pump.

Water quality Sampling – START Data submitted separately.

- Water quality parameters collected at 11 locations three times daily
- Flow Rate of 585 GPM was recorded at 0930 from the Gold King Mine adit portal.
- Flow rate of 597 GPM was recorded at 1745 from the Gold King Mine adit portal.
- START unable to collect special samples for EPA

Red and Bonita (R&B) Mine Operations –

- Concreting cofferdam in the mine which created turbidity in Cement Creek.

Gold King Mine Ops –

- Road stability improvements with the Gabion baskets still going on
- Access to GKM will be restricted due to road excavation and basket installation

Media Interest –

- No media or VIP site visits today

Logistics –

- Generator on EPA MEOC out of commission. Connections for another generator are connected and working properly.
- ER dedicated safety construction on site
- ER Personnel pulled off site at various times to meet with legal representatives.

Future Actions –

- Change treatment in first pond from direct treatment to circular treatment to improve circulation.
- BLM to be conducting survey of roads IVO Gold King Mine efforts.
- San Miguel Power to remove damaged power lines 26 AUG 2015.
- Rain for Rent engineering solution for diversion to R&B and down to Gladstone.
 - Additional rerouting options.
- Survey to be conducted for Gold King Mine waste dump
- Discussing the procurement of a water truck to help create Lime Slurry mixture in totes